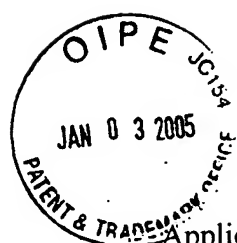


JFW



Atty. Dkt. No. 037010-0106

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: McRAE et al.

Title: SYSTEM FOR INFORMATION  
EXCHANGE FOR  
INTEGRATION OF MULTIPLE  
DATA SOURCES

Appl. No.: 10/613,706

Filing Date: 07/03/2003

Examiner:

Art Unit: 2127

<p align="center"><b>CERTIFICATE OF MAILING</b></p> <p>I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date below.</p> <p><u>DIANE GARCIA</u> (Printed Name)</p> <p><u>Diane Garcia</u> (Signature)</p> <p><u>12-29-04</u> (Date of Deposit)</p>
---

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR §1.56**

Mail Stop Amendment-IDS  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Submitted herewith on Form PTO/SB/08 is a listing of documents known to Applicants in order to comply with Applicants' duty of disclosure pursuant to 37 CFR §1.56.

A copy of each non-U.S. patent document and each non-patent document is being submitted to comply with the provisions of 37 CFR §1.97 and §1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

**TIMING OF THE DISCLOSURE**

The listed documents are being submitted in compliance with 37 CFR §1.97(b), before the mailing date of the first Office Action on the merits.

**RELEVANCE OF EACH DOCUMENT**

All of the documents are in English.

Applicants respectfully request that any listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 50-0872. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 50-0872.

Respectfully submitted,

Date December 29, 2007

By Sanjeev K. Dhand

FOLEY & LARDNER LLP  
Customer Number: 30542  
Telephone: (858) 847-6715  
Facsimile: (858) 792-6773

Sanjeev K. Dhand  
Attorney for Applicant  
Registration No. 51,182

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(use as many sheets as necessary)

1

of

3

## Complete if Known

Application Number	10/613,706
Filing Date	07/03/2003
First Named Inventor	Gregory J. McRae
Group Art Unit	2127
Examiner Name	
Attorney Docket Number	037010-0106

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
	A1	6173240		Sepulveda et al.	01-09-2001	

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>
	A2	Adomian, G., Stochastic system analysis, in <i>Applied Stochastic Processes</i> , edited by G. Adomian, pp. 1-17, Academic, San Diego, Calif., 1980	
	A3	Cukier, R.I., Fortuin, C.M., Shuler, K.E., Petschek, A.G., and Schaibly, J.H., Study of the sensitivity of coupled reaction systems to uncertainties in rate coefficients, I, Theory, <i>J. Chem. Phys.</i> , <b>59</b> , 3873-3878, 1973	
	A4	Derwent, R.G., Treating uncertainty in models of the atmospheric chemistry of nitrogen compounds, <i>Atmos. Environ.</i> , <b>21</b> , 1445-1454, 1987.	
	A5	Dunker, A.M., The Decoupled Direct Method for calculating sensitivity coefficients in chemical kinetics, <i>J. Chem. Phys.</i> , <b>81</b> (5), 2385-2303, 1984.	
	A6	Gao, D, Stockwell, W.R. and Milford, J.B. "First order sensitivity and uncertainty analysis for a regional scale gas phase chemical mechanism, <i>J. Geophysical Research</i> , <b>100</b> , 23,153-23,166, 1995.	
	A7	Gautschi, W., Algorithm 726: ORTHPOL--A package of routines for generating orthogonal polynomials and Gauss-type quadrature rules, <i>ACM Trans. Math. Software</i> , <b>20</b> (1), 21-26, 1994.	
	A8	Ghanem, R.G. and Spanos, P.D., <i>Stochastic Finite Elements; A Spectral Approach</i> , Springer-Verlag, New York, 1991 p.72-81.	

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/613,706
				Filing Date	07/03/2003
				First Named Inventor	Gregory J. McRae
				Group Art Unit	2127
Examiner Name					
Sheet	2	of	3	Attorney Docket Number	037010-0106

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.		T <sup>6</sup>
	A9	Koda, M., McRae, G.J. and Seinfeld, J.H., Automatic sensitivity analysis of kinetic mechanisms, <i>Int. J. Chemical Kinetics</i> , <b>11</b> , 427-444, 1979.		
	A10	Kramer, M.A., Rabitz, H., Calo, J.M., and Kee, R.J., Sensitivity analysis in chemical kinetics: Recent developments and computational comparisons, <i>Int. J. Chem. Kinetics</i> , <b>16</b> , 559-578, 1984.		
	A11	Lax, M.D., Approximate solution of random differential and integral equations, <i>App. Stochastic Process</i> , edited by G. Adomian, pp. 121-134, Academic, San Diego, Calif., 1980.		
	A12	McKay, M.D., Beckman, R.J., and Conover, W.J., A comparison of three methods for selecting values of input variables in the analysis of output from a computer code, <i>Technometrics</i> , <b>21</b> , 239-245, 1979.		
	A13	McRay et al., Global sensitivity analysis -- A computational implementation of the Fourier Amplitude Sensitivity Test (FAST), <i>Comp. Chem. Eng.</i> , <b>6</b> , 15-25, 1982.		
	A14	Morgan, M.G., Henrion, M., and Small, M., <i>Uncertainty, A Guide to Dealing with Uncertainty in Quantitative Risk and Policy Analysis</i> , Cambridge University Press, New York, 1992.		
	A15	Papoulis, A. <i>Probability, Random Variables, and Stochastic Processes</i> , 3rd Edition, McGraw Hill, NY, 1991.		
	A16	Pierce, T.H. and Cukier, R.I., Global Nonlinear Sensitivity Analysis using Walsh functions, <i>J. Comput. Phys.</i> , <b>41</b> , 427-443, 1981.		

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/613,706
				Filing Date	07/03/2003
				First Named Inventor	Gregory J. McRae
				Group Art Unit	2127
Examiner Name					
Sheet	3	of	3	Attorney Docket Number	037010-0106

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>
	A17	Pan, W., Tatang, M.A., McRae, G.J. and Prinn, R.G., "Uncertainty Analysis of Direct Radiative Forcing by Anthropogenic Sulfate Aerosols, <i>J. Geophysical Research</i> , <b>102</b> , (D18), 21,915-21,924, 1997.	
	A18	Serrano, S.E. and Unny, T.E., Random evolution equations in hydrogeology, <i>Applied Mathematics and Computation</i> , <b>39</b> , 97s-122s, 1990.	
	A19	Tatang, M.A., <i>Direct Incorporation of Uncertainty in Chemical and Environmental Engineering Systems</i> , Ph.D. Thesis, Department of Chemical Engineering, Massachusetts Institute of Technology, Cambridge, Massachusetts, 1995.	
	A20	Tatang, M.A., Pan, W., Prinn, R.G., and McRae, G.J. "An Efficient Method for Parametric Uncertainty Analysis of Numerical Geophysical Models, <i>J. Geophysical Research</i> , <b>102</b> , (D18), 21,925-21,932, 1997.	
	A21	Wiener, N., The homogeneous chaos, <i>Amer. J. Math.</i> , <b>60</b> , 897-936, 1938.	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.